



Order Processing

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Order Processing

User Services submits a data order on behalf of a user

Scenario outline

- **Receive request**
- **Search for User Profile for User Authentication**
- **Register User**
- **Locate and Order Data for User**
- **Log Event in User Contact Log**



Order Processing

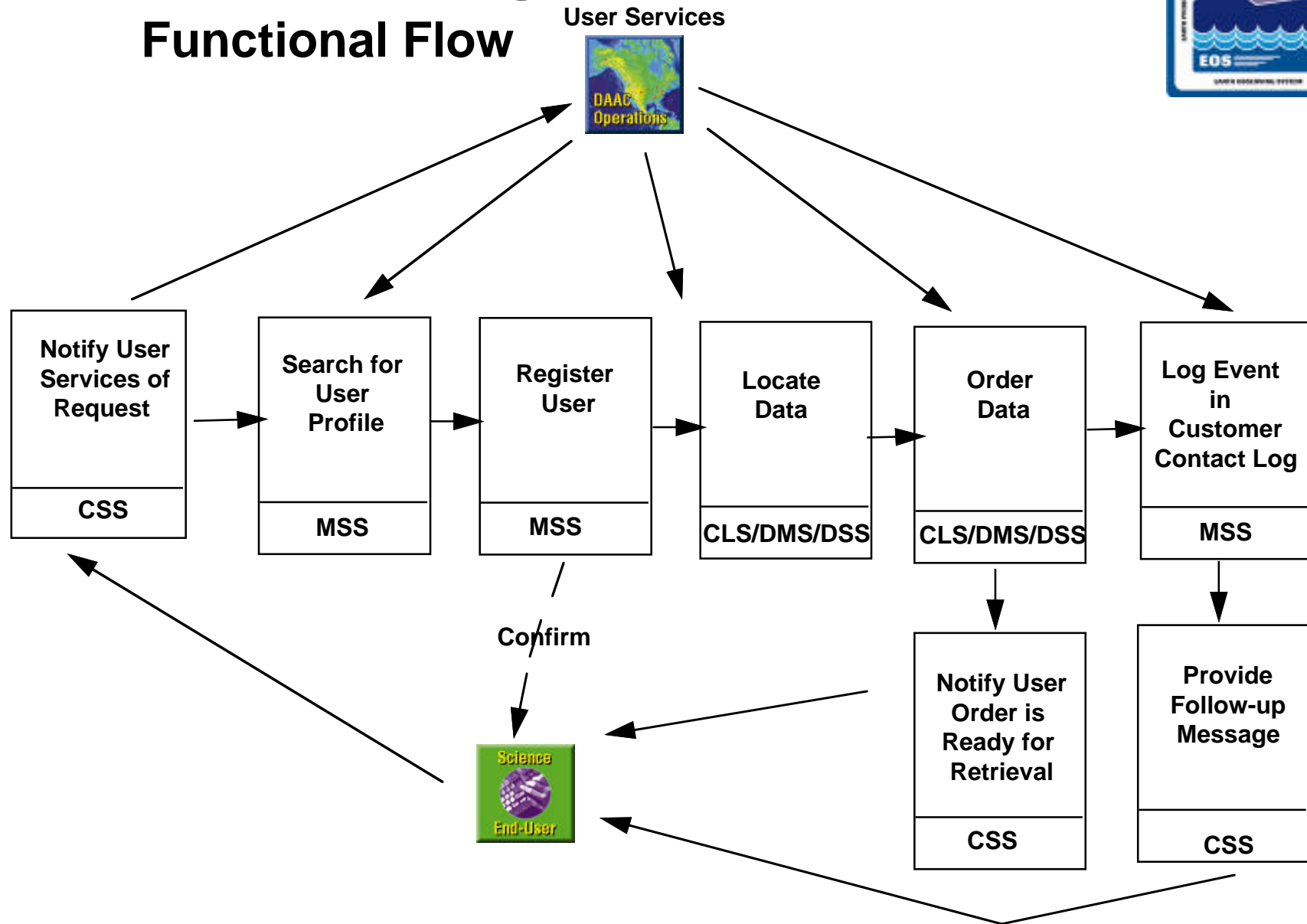
Scenario Assumptions

- User knows what data is wanted
- Procedures are in place for authenticating user
- User Services Operator is logged in on own account
- User has supplied sufficient registration information (User Name, Billing Address, etc.)
- Single order charge guidelines are available (call user before processing if order exceeds a pre-defined dollar threshold)
- User granted privileges to order the data

Heritage

- USWG Scenario # 2 (User Services Order Processing - Direct User Contact)
- 604-CD-002-002, Section 4.2.6.4 (Place an Order for a Potential User Scenario)

Order Processing Functional Flow

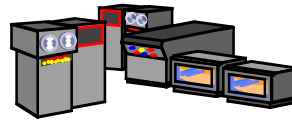


Order Processing Event Flow

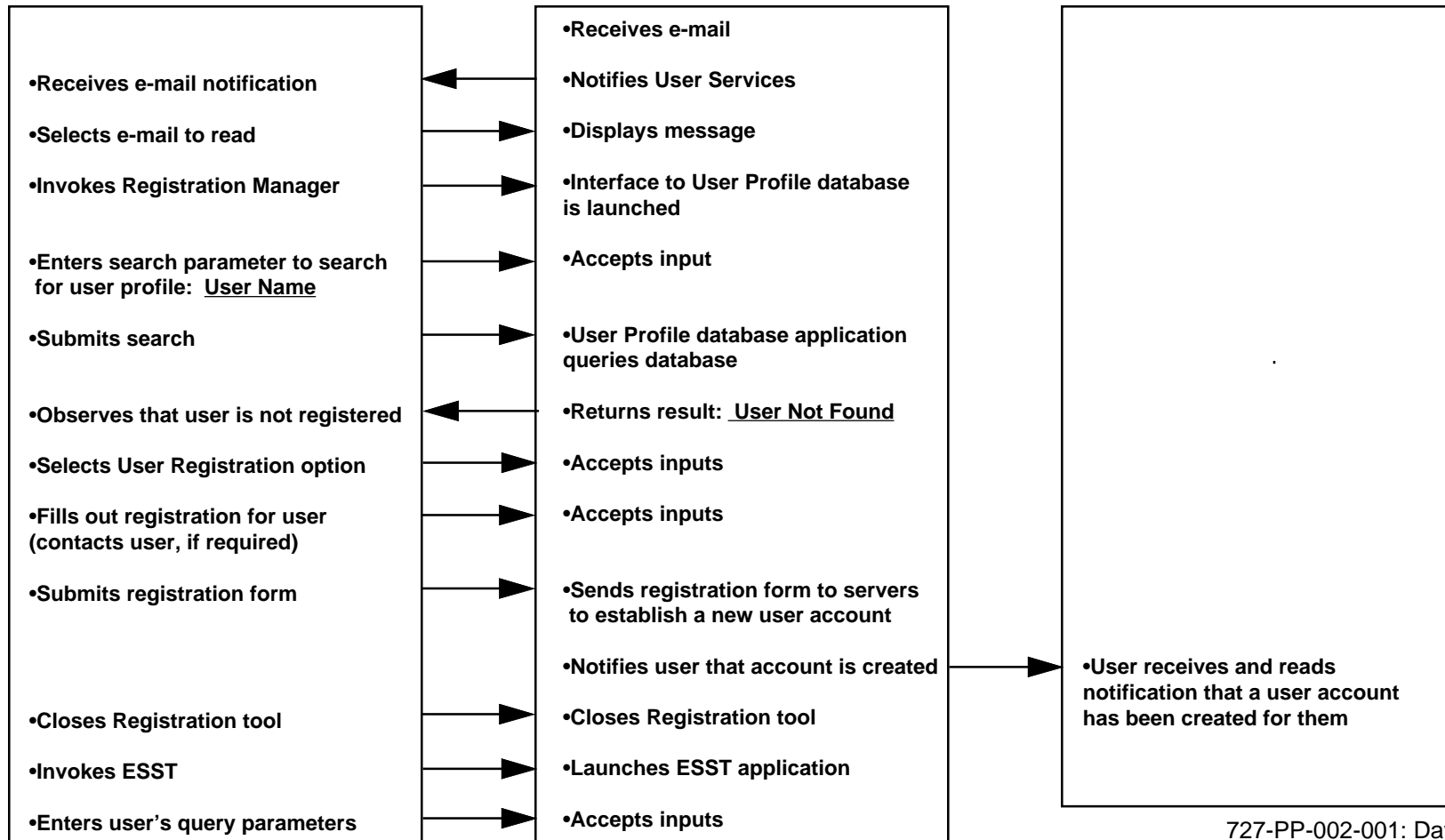
User Services



System



User



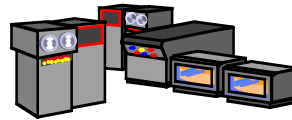
Order Processing Event Flow

User Services



- Submits query
- Selects granules from result set for data order. Specifies an ftp pull for high interest granules, and media for other granules
- Specifies UserId for Accounting and Billing
- Submits order
- Views receipt
- Invokes User Contact Log tool
- Inputs entry to User Contact Log indicating order receipt/processing

System



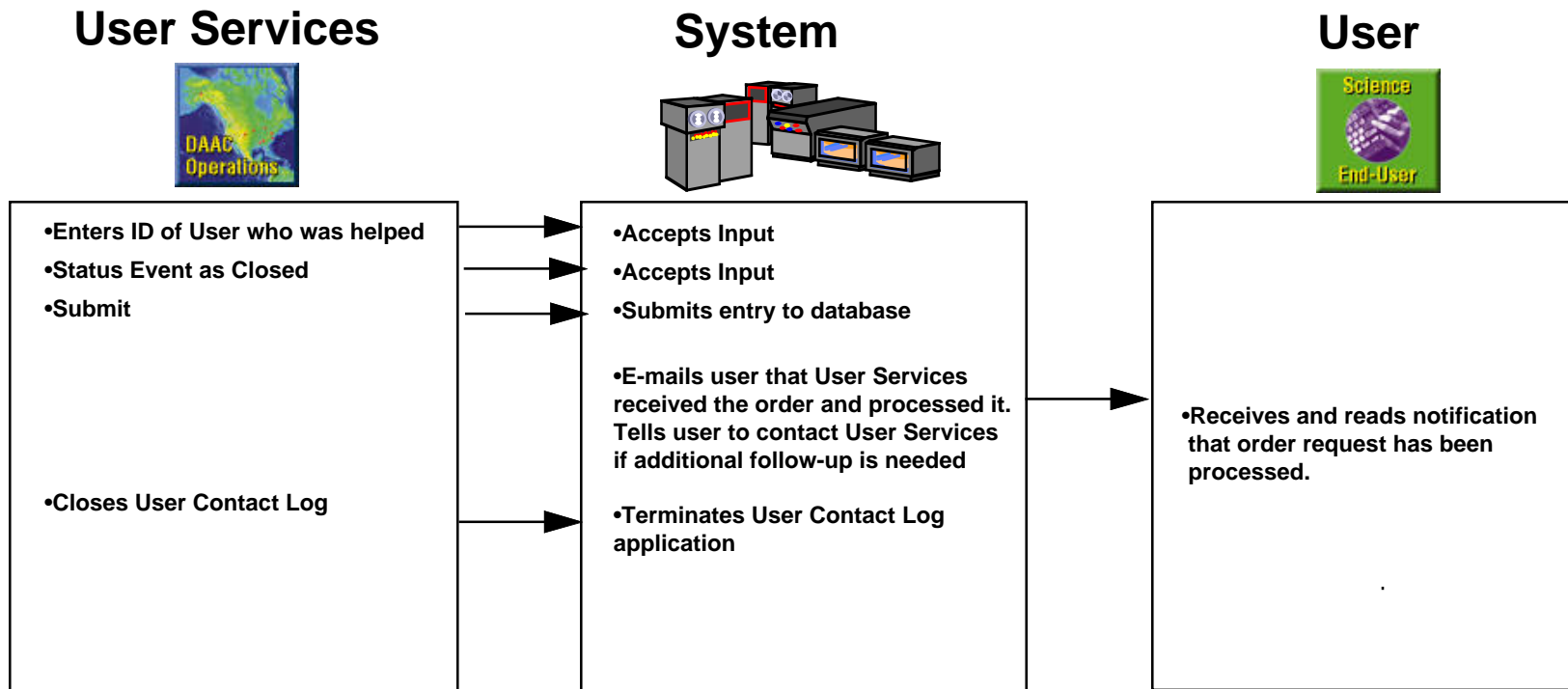
- ECS queries all appropriate DAACs and affiliated non-ECS systems (VO and NOAA)
- Returns integrated result
- Accepts input
- Accepts input
- Routes order to appropriate DAACs and external systems
- Order receipt is returned to User Services
- Data Server extracts the file names and path names associated with the high interest granules. Notification is sent to the requesting user indicating data is ready for retrieval
- CSS Subsystem detects and logs that an authorized user has accessed the files
- Launches application
- Accepts input

User

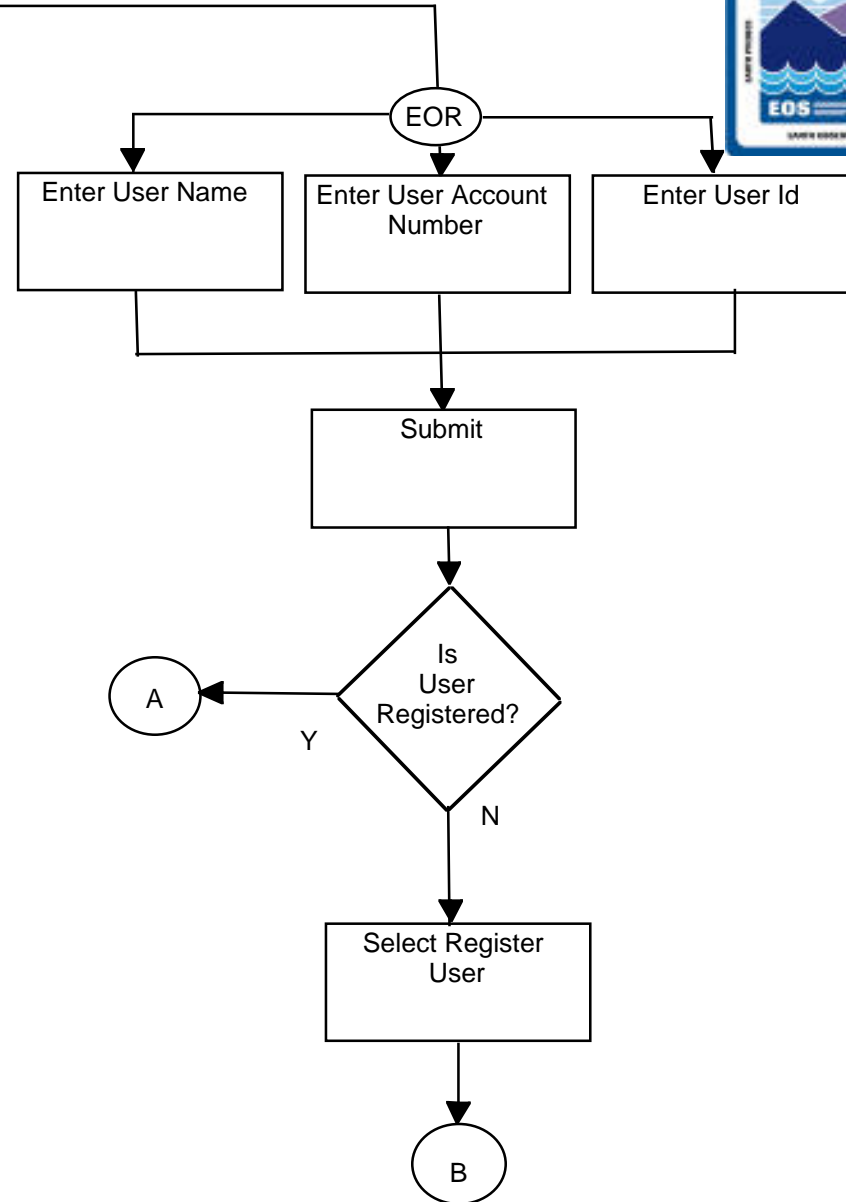
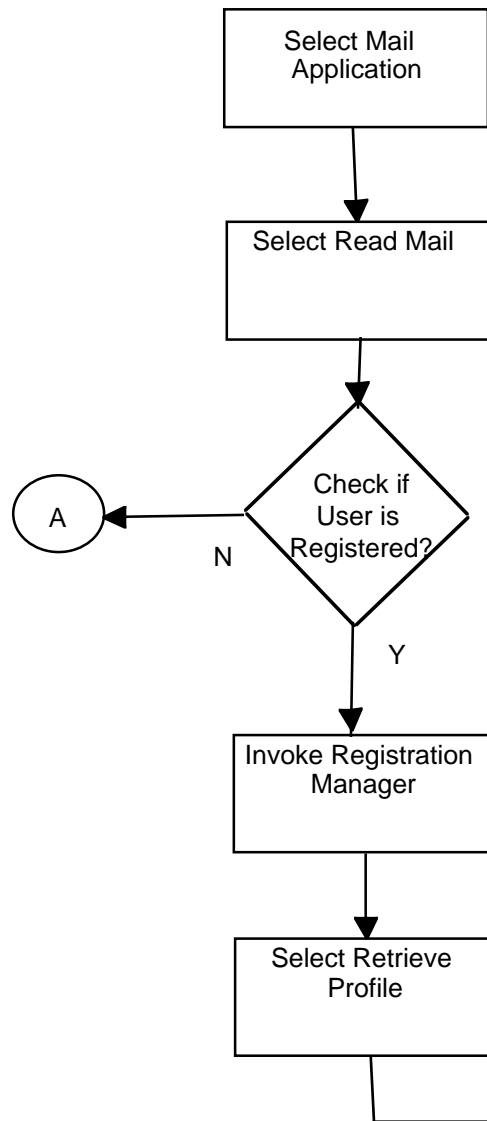


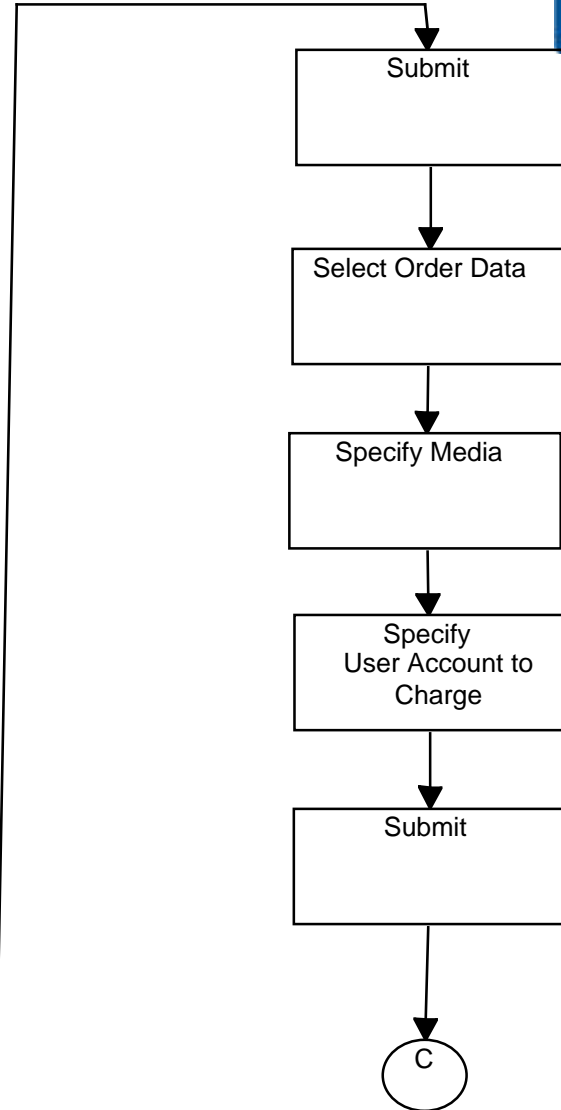
- User receives and reads notification that data is available for retrieval
- Retrieves the ordered data from the DAAC's pull volume

Order Processing Event Flow

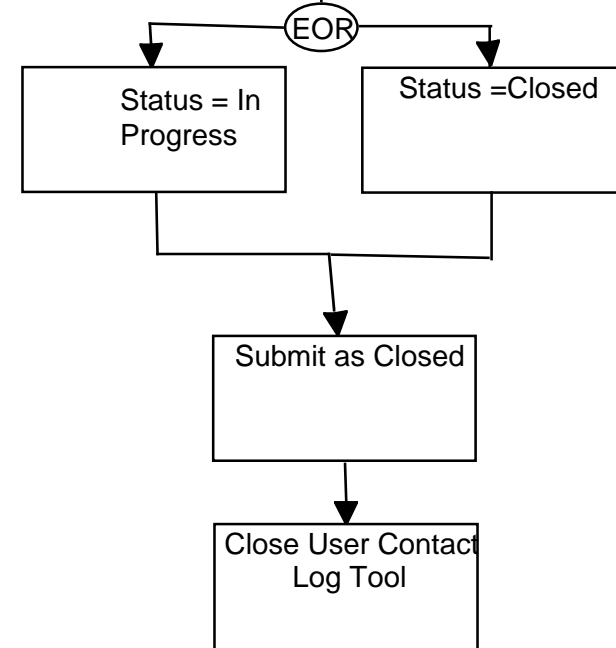
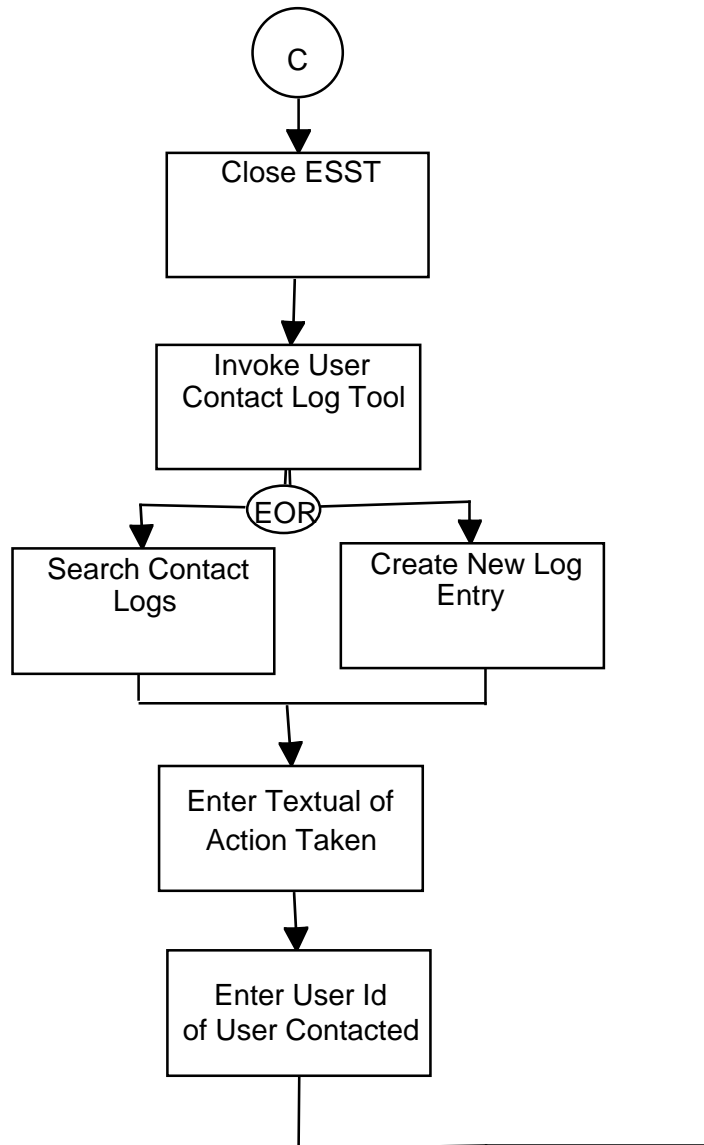


Order Processing Workflow



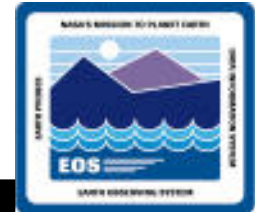


Order Processing Workflow (cont.)



Order Processing

Data Activity



Operator Function	Data Element	Operator Interaction
Access E-mail	MessageId MessageText Originator Addressee	Display Input Display Input
Register User	UserId UserName AccountNumber HomeDAAC TelNum EmailAddr Organization ResearchField Affiliation Sponsor ProjectName PI MailAddr ShipAddr AltShipAddr BillAddr AltBillAddr MediaPref PrivilegeLevel CreationDate ExpirationDate	Input Display Display Edit Input Input Input Input Input Input Input Input Input Input Input Input Input Input Input Display Edit

Order Processing

Data Analysis (cont.)



Operator Function	Data Element	Operator Interaction
Data Search	<Temporal attributes> <Spatial attributes> <Scientific attributes> <Other attributes>	Input Input Input Input
Data Order	SubsetId GranuleID DataSetID UserID UserName AccountNumber HomeDAAC EmailAddr MailAddr ShipAddr BillAddr MediaPref	Input Input Input Input Input Input Input Input Input Input Input
User Contact Log	UserID* LogEntryId LogEntryStatus TextDescription Notes Date/Time OperatorId	Input Display Input Input Input Display Edit

* User profile data items can be retrieved based on User ID